



College of Agriculture, Food & Natural Resources  
University Extension • University of Missouri-Columbia

# 24<sup>th</sup> Stadler Genetics Symposium

## "Genomics of Disease"

October 2 - 4, 2006 • University of Missouri-Columbia

### featuring...

**Jonathan Jones**, Sainsbury Lab, Norwich, England  
*"Signalling networks in plant defence"*

**Jane Glazebrook**, University of Minnesota  
*"A high-performance custom microarray for phenotypic analysis of plant defense signaling mutants"*

**Pamela Ronald**, University of California-Davis  
*"Genomics of the rice defense signaling pathway"*

**Daniel Grenfell-Lee**, Massachusetts General Hospital  
*"Comparative genomics of virulent pseudomonas aeruginosa isolates"*

**Sophien Kamoun**, Ohio State University  
*"Reprogramming the host: The effector secretome of Phytophthora"*

**Regine Kahmann**, MPI für terrestrische Mikrobiologie, Germany  
*"New insights into biotrophic development of Ustilago maydis"*

**Ulla Bonas**, Institute of Genetics, Germany  
*"Genetic dissection of the interaction between the plant pathogen Xanthomonas and its host plants"*

**Sally Leong**, University of Wisconsin  
*"The ins and outs of host recognition of magnaporthe grisea"*

**Brett Tyler**, Virginia Bioinformatics Institute  
*"Functional genomics and bioinformatics of the soybean-phytophthora interaction"*

**Keith Murphy**, Texas A&M University  
*"The genetics governing merle coat patterning in the domestic dog and association of merle with auditory and ophthalmologic abnormalities"*

**Eric Hoffman**, Children's National Medical Center, Washington DC  
*"AKT1 haplotypes control bone and muscle volumes, fasting serum glucose, and risk for metabolic syndrome"*

**Edward Wakeland**, Center for Immunology, UT Southwestern Medical Center at Dallas  
*"Genetic interactions that mediate autoimmune disease"*

**David Threadgill**, University of North Carolina  
*"Epidermal growth factor receptor: pleiotropic effects associated with extensive genetic heterogeneity"*

**Leslie Lyons**, University of California-Davis  
*"Unraveling the genetic mysteries of the Cat: New discoveries in feline inherited diseases and traits"*

**Hans Cheng**, USDA-ARS  
*"Integrating genomics to understand the Marek's disease virus-chicken host-pathogen interaction"*

**Susan Lamont**, Iowa State University  
*"Variation in chicken gene structure and expression associated with food-safety pathogen resistance"*

**Daniel Pomp**, University of North Carolina  
*"Massively parallel eQTL analysis of complex traits in mice"*

**Steve O'Brien**, National Cancer Institute  
*"Landscape of comparative genomics in mammals"*

**Roger Beachy**, Donald Danforth Plant Science Center  
*"Finding the achilles heel in virus replication and strategies that can limit disease in transgenics"*

**John Quackenbush**, Harvard Medical School  
*"Extracting meaning from high-dimensional 'omics data"*

**Jan Leach**, Colorado State University  
*"Associating genomic variation of diverse rice varieties to understand disease resistance"*

**Margaret Mackinnon**, Edinburgh, Scotland  
*"Evolution of virulence in malaria"*

**Elaine Ostrander**, National Human Genome Research Institute  
*"Canine genomics: Running with the pack...OR ...genetic mapping of complex traits using features of population structure"*

**Herman Raadsma**, University of Sydney  
*"Ovine disease resistance-integrating comparative and functional genomics approaches in a genome information-poor species"*

### To Register

and for more information go to our website

<http://muconf.missouri.edu/stadler>  
or contact Sandi Strother

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### Scholarships Available

A limited number of travel and registration scholarships are available for graduate students and post-docs. Please contact Perry Gustafson at [pgus@missouri.edu](mailto:pgus@missouri.edu).